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低碳能源实验室

Laboratory of Low Carbon Energy

Education

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|-----------|---|----------------|
| 2010-2012 | Laboratory of Low Carbon Energy in Tsinghua university
PHD student of energy system modeling. GPA 3.8/4.0. | Beijing, China |
| 2006-2010 | Department of thermal engineering in Tsinghua university
Bachelor of Engineering in thermal engineering. GPA 3.7/4.0. | Beijing, China |

Experience

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| 2009-2010 | Bachelor paper
Department of thermal engineering

Aspen Plus Simulation of CO ₂ Removal from Coal Fired Power Plants. <ul style="list-style-type: none">(1) The simulation presents a description of adding post-combustion capture technology to a 500MW coal fired power plants.(2) The open loop process flow diagram is developed to optimize the parameters and finally, the process flow diagram is modified with optimized parameters for closed loop system.(3) The sensitivity analysis is performed to check the solvent properties' behavior for removal efficiency in capture plant. As the most important factors, solvent strength, lean loading and solvent temperature are considered for analyzing. | Beijing, China |
| 2011-2012 | Asian Development Bank's project
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<Economics of Climate Change and Low Carbon Growth Strategies in Northeast Asia: The People's Republic of China Report> <ul style="list-style-type: none">(1) Basic facts about China(2) Climate change impacts and vulnerability(3) Climate change mitigation(4) Adaptation to climate change(5) Strategies for climate change responses and low-carbon development | Beijing, China |
| 2010-2012 | China-TIMES model
Laboratory of Low Carbon Energy <ul style="list-style-type: none">(1) The partial equilibrium TIMES model was set up to assess technology options and final energy needs for the range of parameters variations for China's end-use until 2050.(2) Based on this model, we designed some low carbon development scenarios and conducted quantitative analysis on energy demand and CO₂ emissions, as well as the corresponding technical options and cost under China's different low carbon development objectives, and further analysis on pathway and cost for China to achieve its 40-45% emission reduction targets. | Beijing, China |
| 2011-2012 | Internship Program
Development Research Center of the State Council (DRC) <ul style="list-style-type: none">(1) < Research on mid and long-term Demand of Steel and Iron of China Forecast >(2) <The outlook of carbon capture and storage all over the world >(3) <The research and design of China's carbon trading system > | Beijing, China |

Personal

Fluent in English. Knowledge of Times model, Markal model, SPSS, Matlab, Aspen plus and Excel.

Address

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